

**Documentation of statistics for
Road Network and Road Traffic 2022**

1 Introduction

The statistics, Road network and Traffic describes the Danish road network, its traffic and the investments in it. The statistics are comparable since 1990. Statistics Denmark disseminates statistics on behalf of The Danish Road Directorate as part of the cooperation between the two institutions.

2 Statistical presentation

These statistics contain information on the number of vehicles per 24 hours after road segment, million vehicle kilometers by means of transport, road network in kilometers by province and type of road and road network investments in million DKK by type of investment.

2.1 Data description

These statistics contain information about the road network itself and its traffic. For the road network itself, the total kilometers of roads are divided by road type and geographical by country. In addition, investments in the road network in DKK million are estimated and divided by investment type. Investments are calculated in current year's prices, 1995 prices and 2000 prices. For traffic, the number of motor vehicles by road type, and million vehicle kilometers of Danish vehicles on Danish roads by means of transport are estimated.

2.2 Classification system

The road network is divided geographically by [provinces](#) and type of road in respectively state, municipal and other:

- Motorways
- Dual carriageways
- Other roads.

Type of investments in the road network are divided into:

- Cost of new constructions
- Cost of maintenance
- Great belt link
- Oresund link

Road traffic of Danish vehicles are grouped into means of transport.

2.3 Sector coverage

Transport.

2.4 Statistical concepts and definitions

Motorway: A road specially constructed and built for the use of motor vehicles and; have separate carriageways for traffic in two directions; have no access to neighboring properties; is not crossed at the same level by other road, rail, tram line or pedestrian crossing; is reserved for specific categories of road motor vehicles.

Dual carriageway: A road specially constructed and built for the use of motor vehicles and; doesn't have separated lanes in the two traffic directions; have no access to neighboring properties; may have crossing traffic; is reserved for certain categories of motor vehicles.

Other roads: Other roads than motorways or express roads not including paths and gravel roads and roads on private property. Roads under municipality supervision (public access) is included.

State road: Road owned and maintained by the state. Typically motorways and main dual carriageways.

Municipality road: Road maintained by municipalities. Typically local dual carriageways, country roads and minor urban and non-urban roads.

E-road: Road that is part of the European road network. In Denmark these are mainly motorways which are transit corridors between Germany, Sweden and Norway.

Cost of new constructions: Cost of new constructions.

Cost of maintenance: Cost of maintenance of existing infrastructure.

Great belt link: Bridge and tunnel connection between Funen and Zealand.

Oresund link: Bridge and tunnel connection between Zealand and Sweden.

2.5 Statistical unit

Roads

2.6 Statistical population

The road network in Denmark excluding paths and unpaved roads.

2.7 Reference area

Denmark.

2.8 Time coverage

- The road network covers the period from 1990 and onwards for road type at national level, but there is a geographical data breach from 2007 onwards
- Investments in the road network cover the period from 1990 and onwards
- Motor vehicles per day cover the period from 1988 and onwards
- Traffic work with Danish vehicles covers the period from 2000 and onwards

2.9 Base period

Investments in the road network are presented in current prices, 2000-prices and 1995-prices.

2.10 Unit of measure

- Road network in kilometers (KM)
- Investments in DKK million
- Motor vehicle traffic in number of per day
- Road traffic in million vehicle km. (VKM)

2.11 Reference period

Calendar year.

2.12 Frequency of dissemination

Annually.

2.13 Legal acts and other agreements

The Act on Statistics Denmark (Lov om Danmarks Statistik), Section 8, cf. Order no. 610 of 30. may 2018.

2.14 Cost and burden

There is no direct response burden in compiling these statistics since data is reported by another public authority.

2.15 Comment

For further information contact Statistics Denmark directly.

3 Statistical processing

The statistics is processed by the Danish Road Directorate and published by Statistics Denmark as part of a cooperation between the two agencies.

3.1 Source data

Data are compiled by the [Danish Road Directorate](#). Data sources are data from municipalities and the Road Directorate on the road network and investments therein and the Road Directorate's own traffic counts.

3.2 Frequency of data collection

Data on the road network is collected annually. Traffic counts collects data continuously.

3.3 Data collection

The statistics is based on traffic counts and odometer readings from road worthiness inspections of road vehicles and on data from municipalities and the Road Directorate.

3.4 Data validation

Please refer to [the Road Directorates home page](#).

3.5 Data compilation

Information on the specific data processing can be obtained from [The Road Directorate](#). For specific areas of the statistics additional information can be found at the Road Directorate's specific pages for [Road Traffic](#), [Road Infrastructure](#) and [Traffic counts](#) respectively.

3.6 Adjustment

Information on the specific data processing can be obtained from [The Road Directorate](#). For specific areas of the statistics additional information can be found at the Road Directorate's specific pages for [Road Traffic](#), [Road Infrastructure](#) and [Traffic counts](#) respectively.

4 Relevance

The statistics is used by e.g. news media, analytical work, and ministries.

4.1 User Needs

The main users are the EU Commission, Danish ministries and business associations.

4.2 User Satisfaction

There is no data collection on user satisfaction and rarely feedback from user.

4.3 Data completeness rate

Data covers Danish roads except foot paths and gravel roads and covers all types of road vehicles

5 Accuracy and reliability

Statistics Denmark have no assessment of the concrete precision of the statistics. Information about this is with the Road Directorate.

5.1 Overall accuracy

Information on the specific data processing can be obtained from [The Road Directorate](#). For specific areas of the statistics additional information can be found at the Road Directorate's specific pages for [Road Traffic](#), [Road Infrastructure](#) and [Traffic counts](#) respectively.

5.2 Sampling error

Information on the specific data processing can be obtained from [The Road Directorate](#). For specific areas of the statistics additional information can be found at the Road Directorate's specific pages for [Road Traffic](#), [Road Infrastructure](#) and [Traffic counts](#) respectively.

5.3 Non-sampling error

Information on the specific data processing can be obtained from [The Road Directorate](#). For specific areas of the statistics additional information can be found at the Road Directorate's specific pages for [Road Traffic](#), [Road Infrastructure](#) and [Traffic counts](#) respectively.

5.4 Quality management

Statistics Denmark follows the recommendations on organisation and management of quality given in the Code of Practice for European Statistics (CoP) and the implementation guidelines given in the Quality Assurance Framework of the European Statistical System (QAF). A Working Group on Quality and a central quality assurance function have been established to continuously carry through control of products and processes.

5.5 Quality assurance

Statistics Denmark follows the principles in the Code of Practice for European Statistics (CoP) and uses the Quality Assurance Framework of the European Statistical System (QAF) for the implementation of the principles. This involves continuous decentralized and central control of products and processes based on documentation following international standards. The central quality assurance function reports to the Working Group on Quality. Reports include suggestions for improvement that are assessed, decided and subsequently implemented.

5.6 Quality assessment

The statistics consists of three parts: Road Traffic, road infrastructure, and investments in roads.

Road traffic is based on odometer readings from road worthiness inspections and traffic counts. There is uncertainty on both sources and there is expected to be uncertainty on the overall traffic statistics.

Road infrastructure is based on administrative sources. There is only small uncertainty on the statistics related primarily to rounding off road lengths.

Investments in roads are based on public budgets and expenses. There is very little uncertainty on those data.

5.7 Data revision - policy

Statistics Denmark revises published figures in accordance with the [Revision Policy for Statistics Denmark](#). The common procedures and principles of the Revision Policy are for some statistics supplemented by a specific revision practice.

5.8 Data revision practice

There is no preliminary statistics

6 Timeliness and punctuality

The statistics are published every October after the reference period.

The statistics is published without delay according to the preannounced time.

6.1 Timeliness and time lag - final results

The statistics are published every October after the reference period.

6.2 Punctuality

The statistics is published without delay according to the preannounced time.

7 Comparability

In general the statistics is comparable across time. Comparable statistics for the countries within the European Statistical System is available with Eurostat.

There is a break in time series with geographical subdivision based on administrative units as a result of the Reform the municipality structure in 2007.

7.1 Comparability - geographical

Eurostat publishes statistics on road infrastructure and traffic for countries in the European Statistical System (EU and EFTA member states and EU candidate countries) on their [database](#).

7.2 Comparability over time

Road network is subdivided on 14 counties in the period 1990-2006 according to the 1970 legislation on municipalities. From 2007 the subdivision is on 11 regions. A break in time series exists from 2006 to 2007.

7.3 Coherence - cross domain

Statistics Denmark publishes the statistics of the Road Directorate. No other statistics exists.

7.4 Coherence - internal

Not relevant for these statistics.

8 Accessibility and clarity

The statistics are published in the StatBank under the topics [Road network](#) and [Traffic](#).

8.1 Release calendar

The publication date appears in the release calendar. The date is confirmed in the weeks before.

8.3 User access

Statistics are always published at 8:00 a.m. at the day announced in the release calendar. No one outside of Statistics Denmark can access the statistics before they are published.

8.2 Release calendar access

The Release Calendar can be accessed on our English website: [Release Calendar](#).

8.4 News release

There is no separate news release (Nyt fra Danmarks Statistik - in Danish) for this statistics.

8.5 Publications

Not relevant for these statistics.

8.6 On-line database

The statistics are published in the StatBank in the following tables:

- [VEJ11](#): Road network by part of the country, type of road and time
- [VEJ2](#): Investments in the road network by type of investment, unit and time
- [VEJ22](#): Average daily motor vehicle traffic by road segment and time
- [VEJ23](#): Road traffic of Danish vehicles on Danish roads by means of transport and time

8.7 Micro-data access

Not available from Statistics Denmark. Contact the Road Directorate for requests.

8.8 Other

Not relevant for these statistics.

8.9 Confidentiality - policy

The statistics follows Statistics Denmark's [Data Confidentiality Policy](#).

8.10 Confidentiality - data treatment

Not relevant for this statistics.

8.11 Documentation on methodology

Detailed documentation can be found at [the webpage of the Road Directorate](#).

8.12 Quality documentation

Results from the quality evaluation of products and selected processes are available in detail for each statistics and in summary reports for the Working Group on Quality.

9 Contact

The administrative placement of these statistics is in the division of Short Term Statistics. The contact person is Karina Moric Ingemann, tel.: + 45 2478 4212, and e-mail: KAM@dst.dk.